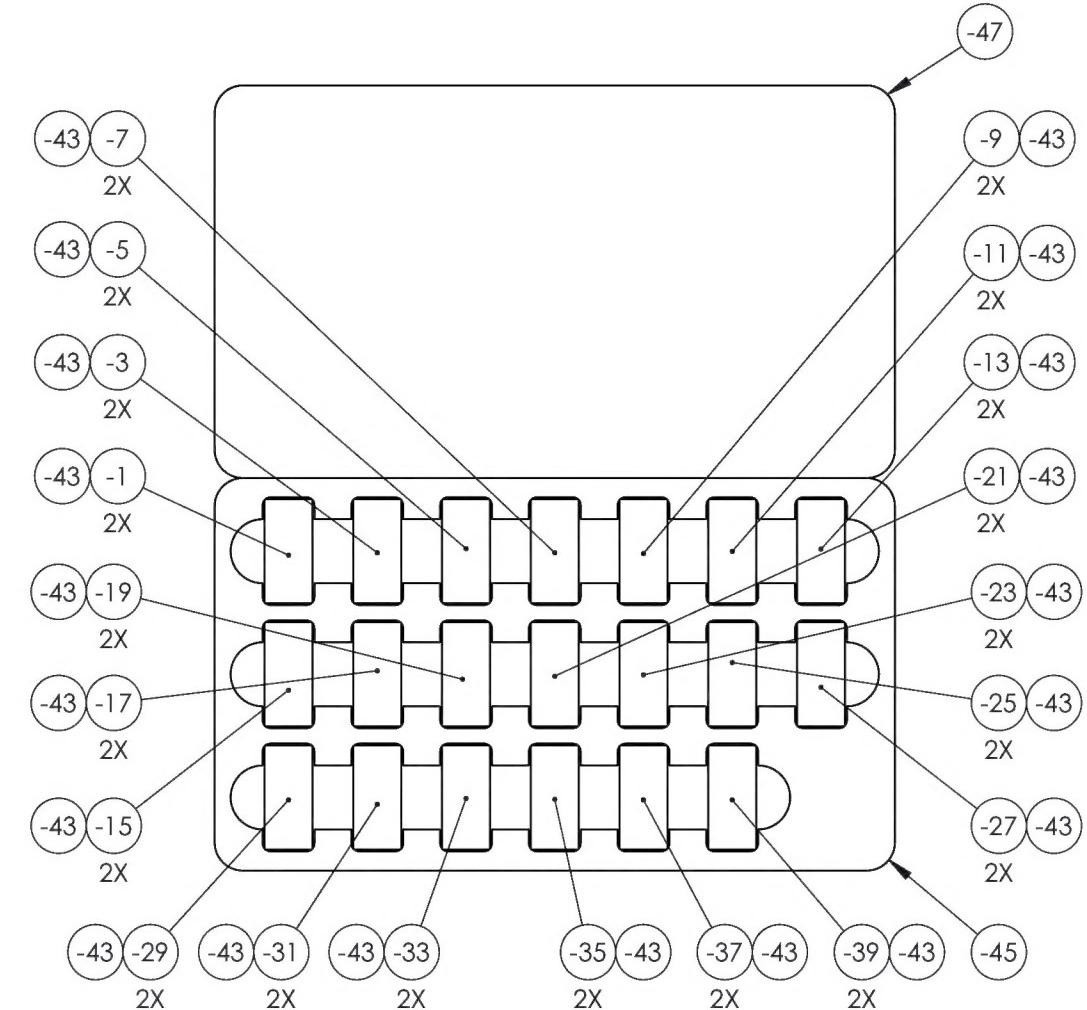


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/1/2017	DPD	JAG
2	17-0080	-1 THRU -39 CH'D B/O INFO; ADDED DIM C.	3/31/2017	SM	JAG

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	2	GAUGE PIN	STEEL	.0240 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-3	2	GAUGE PIN	STEEL	.0360 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-5	2	GAUGE PIN	STEEL	.0432 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-7	2	GAUGE PIN	STEEL	.0480 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-9	2	GAUGE PIN	STEEL	.0540 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-11	2	GAUGE PIN	STEEL	.0600 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-13	2	GAUGE PIN	STEEL	.0800 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-15	2	GAUGE PIN	STEEL	.0864 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-17	2	GAUGE PIN	STEEL	.0960 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-19	2	GAUGE PIN	STEEL	.1080 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-21	2	GAUGE PIN	STEEL	.1200 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-23	2	GAUGE PIN	STEEL	.1440 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-25	2	GAUGE PIN	STEEL	.1440 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-27	2	GAUGE PIN	STEEL	.1440 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-29	2	GAUGE PIN	STEEL	.1600 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-31	2	GAUGE PIN	STEEL	.1600 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-33	2	GAUGE PIN	STEEL	.1728 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-35	2	GAUGE PIN	STEEL	.1728 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-37	2	GAUGE PIN	STEEL	.1920 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-39	2	GAUGE PIN	STEEL	.2057 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-41	1	LABEL	PAPER		3
B/O		-43	20	VIAL WITH LID	CLEAR POLYPROPYLENE		.03/4 X 1-5/8 (L.A. CONTAINER #071600)	1
B/O		-45	1	BOTTOM FOAM	ETHAFOAM 220, BLACK		2.05 X 6.13 X 10.63 (CASE SOLUTIONS)	4
B/O		-47	1	TOP FOAM	ETHAFOAM 220, BLACK		1.05 X 6.13 X 10.63 (CASE SOLUTIONS)	5
B/O		-49	1	CASE	PLASTIC		PELICAN #APP-1170-E	N/S
B/O		1	PLACARD	ALUMINUM			RB41011	N/S

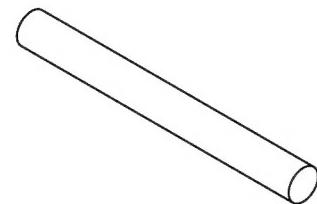


- NOTES:
1. REF: BHT-ALL-SPM TABLE 8-2  
GEARS - MEASURING PINS VERSUS  
HELICOPTER MODELS AND KIT  
DESIGNATION LETTERS; 429.
  2. CUT OUT -41 LABELS AND PLACE IN  
CORRESPONDING -43 VIAL.

TITLE		REV
GEAR TEETH AND SPLINE MEASURING PINS		2
DWG NO.	RBT18003	REV
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	XXX ± .005	FRACTIONS ± 1/8
TREAT	XX ± .01	ANGLES ± 5°
FINISH	X ± .1	SURFACES = 125/V
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
CHECKED:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
OPPS APPR:	ANDERSON	
QA APPR:	LINDSAY	
APPROVED:	USED ON MODEL BELL 429	
SCALE	1:3	DATE 1/18/2017
		SHEET 1 OF 6

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REVIEWS			
REV	ECR	DESCRIPTION	DATE
2	17-0080	-3 THRU 39 CH'D B/O INFO; ADDED DIM C.	3/31/2017 SM JAG



### GAUGE PIN DIMENSIONS

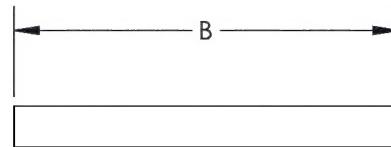
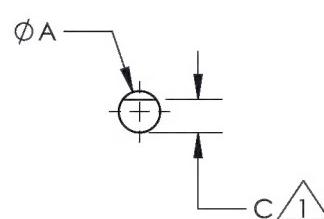
PART NUMBER	ØA	B	C
-1	(Ø.0240)	1"	
-3	(Ø.0360)	1"	
-5	(Ø.0432)	1"	
-7	(Ø.0480)	1"	
-9	(Ø.0540)	1"	
-11	(Ø.0600)	1"	
-13	(Ø.0800)	1"	
-15	(Ø.0864)	1"	
-17	(Ø.0960)	1"	
-19	(Ø.1080)	1"	
-21	(Ø.1200)	1"	
-23	(Ø.1440)	1/4"	
-25	(Ø.1440)	1"	
-27	(Ø.1440)	1"	.1209±.0050
-29	(Ø.1600)	1/4"	
-31	(Ø.1600)	1"	
-33	(Ø.1728)	1/4"	
-35	(Ø.1728)	1"	
-37	(Ø.1920)	1"	
-39	(Ø.2057)	1"	

N/A

N/A

(-1 THRU -39)

GAUGE PIN



### NOTE:

FLATTENED PIN.



TITLE		GEAR TEETH AND SPLINE MEASURING PINS	REV
DWG NO.		RBT18003-1 THRU -39	2
MATERIAL			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT			.XXX ± .010 FRACTIONS ± 1/8
FINISH			.XX ± .03 ANGLES ± 1°
SPEC			X ± .1 SURFACES = 125
DRAWN BY:			1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:			2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:			3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:			USED ON MODEL
APPROVED:			BELL 429
SCALE	2:1	DATE	1/18/2017
SHEET 2 OF 6			

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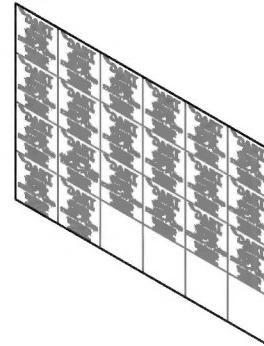
REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .0240" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .0360" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .0432" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .0480" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .0540" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .0600" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com
<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .0800" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .0864" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .0960" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1080" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1200" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1440" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com
<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1440" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1440" DIA. - FLTD 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1600" DIA. 2 EACH - 1/4" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1600" DIA. 2 EACH - 1/4" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1728" DIA. 2 EACH - 1/4" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1728" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com
<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .1920" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com	<b>DART AEROSPACE</b> GEAR & SPLINE WEAR CHECK PINS .2057" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-800-222-4168 sales@dartaero.com				

1.25 TYP

1.25 TYP

7.5



5.0

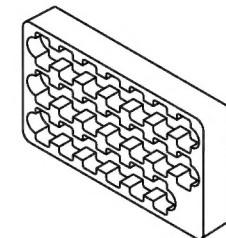
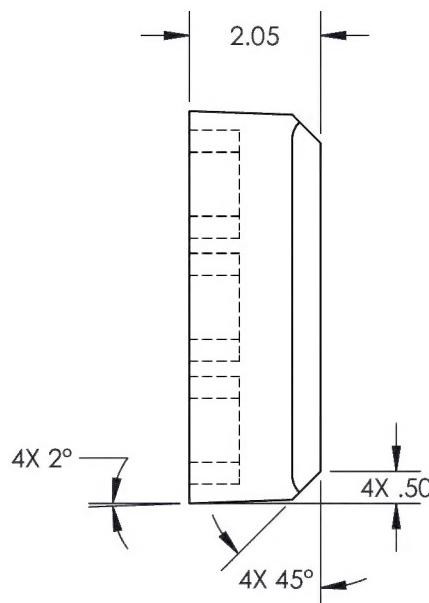
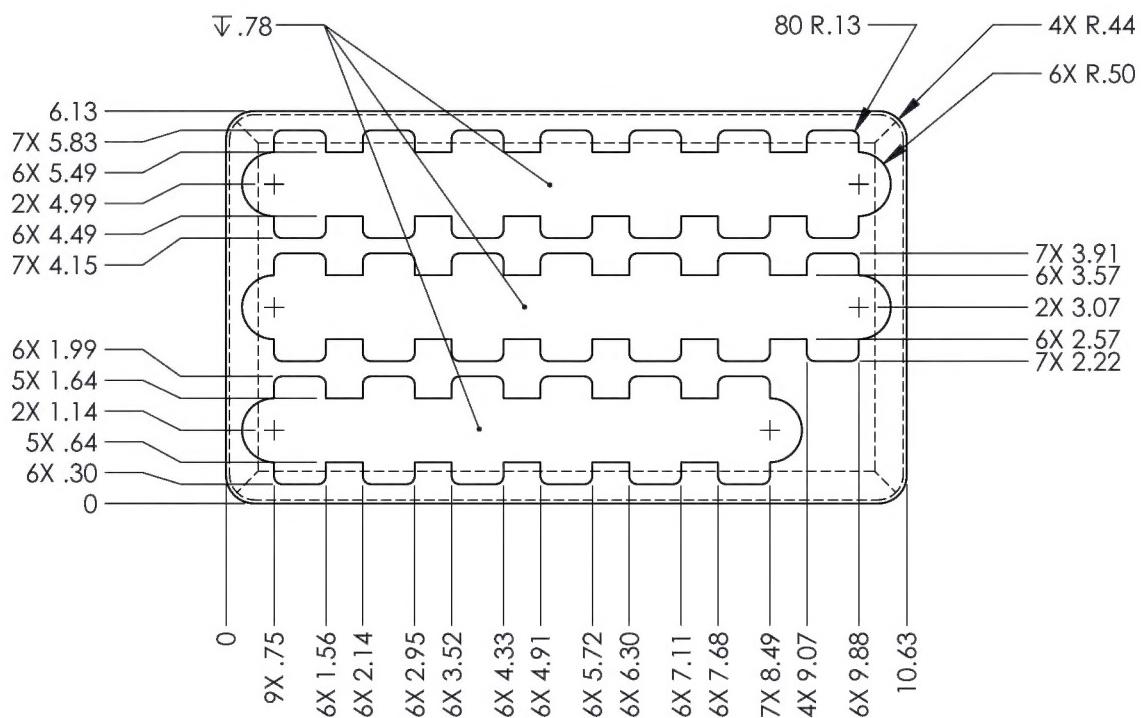
-41

LABEL

TITLE	
GEAR TEETH AND SPLINE MEASURING PINS	
DWG NO.	RBT18003-41
REV	2
MATERIAL PAPER	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	.X ± .1 SURFACES = 125
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	BELL 429
SCALE	2:3
DATE	1/18/2017
SHEET 3 OF 6	

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REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
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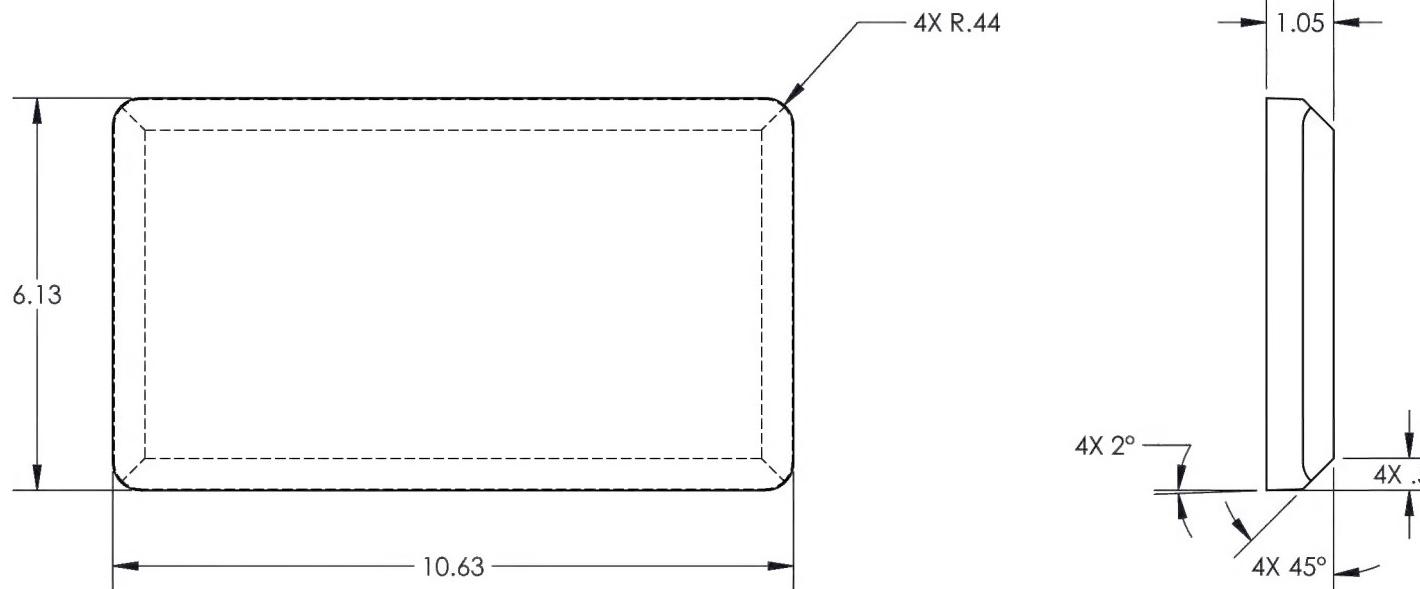
BOTTOM FOAM

-45

<b>DART</b> AEROSPACE	
TITLE	
GEAR TEETH AND SPLINE MEASURING PINS	
DWG NO.	
RBT18003-45	
REV 2	
MATERIAL ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.000 ± .010 FRACTIONS ± 1/8	
.015 x 45° OR .015R	
.000 ± .03 ANGLES ± 1°	
.000 ± .1 SURFACES = 125 ✓	
SPEC	
1. BREAK ALL SHARP EDGES	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	BELL 429
SCALE	1:3
DATE	1/18/2017
SHEET 4 OF 6	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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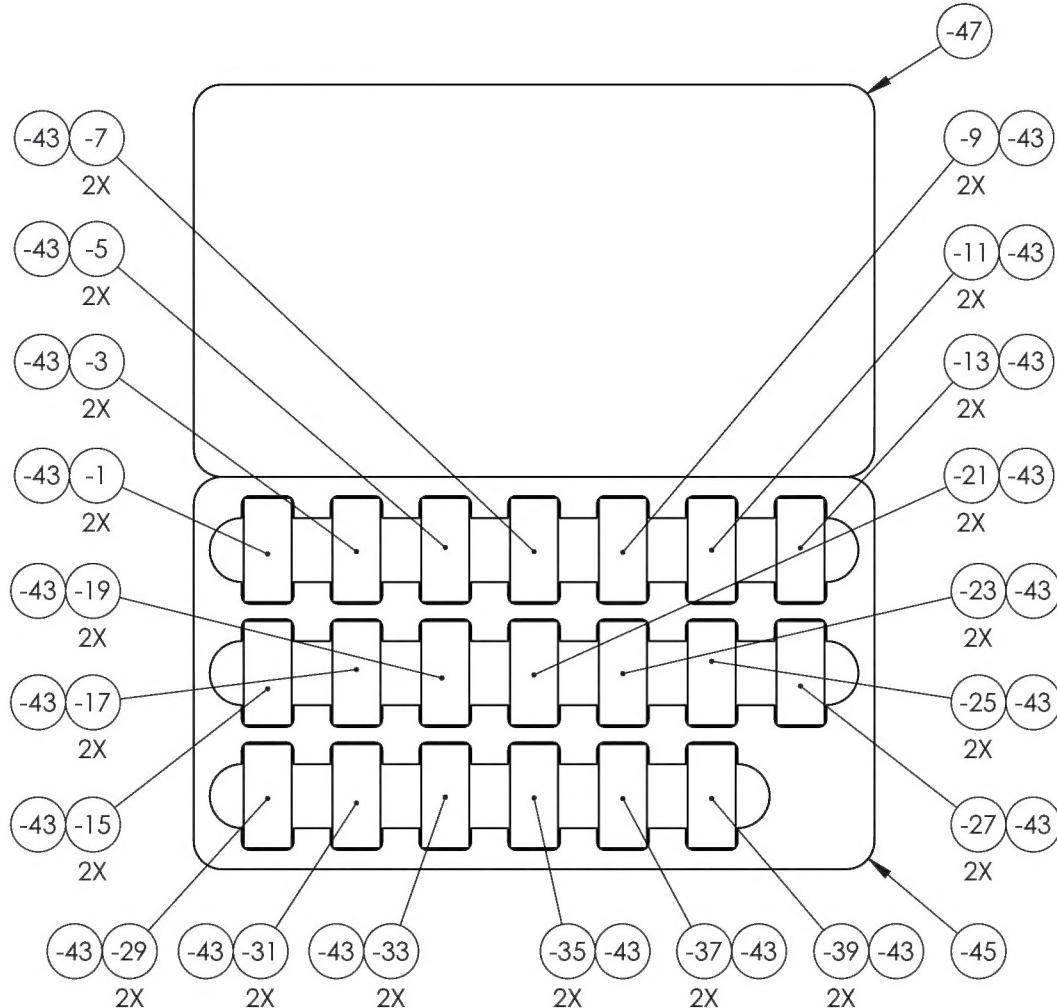


<b>DART AEROSPACE</b>	
TITLE      GEAR TEETH AND SPLINE MEASURING PINS	
DWG NO.      RBT18003-47      REV 2	
MAT'L    ETHAFOAM 220, BLACK      UNLESS OTHERWISE SPECIFIED HEAT      .XXX ± .010      DIMENSIONS ARE IN INCHES TREAT      .XX ± .03      FRACTIONS ± 1/8 FINISH      X ± .1      ANGLES ± 1° SURFACES = 125 ✓	
SPEC DRAWN BY: DUERFELDT CHECKED: CLOUGH OPPS APPR: ANDERSON QA APPR: LINDSAY      USED ON MODEL APPROVED: GILBERT      BELL 429	
SCALE      1:3	DATE      1/18/2017
SHEET 5 OF 6	

(-47)

TOP FOAM

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#### NOTES:

REF: BHT-ALL-SPM TABLE 8-2  
GEARS - MEASURING PINS VERSUS  
HELICOPTER MODELS AND KIT  
DISIGNATION LETTERS; 429.

Part #	UNIT QTY	Description
-1	2	GAUGE PIN Ø.0240 X 1
-3	2	GAUGE PIN Ø.0360 X 1
-5	2	GAUGE PIN Ø.0432 X 1
-7	2	GAUGE PIN Ø.0480 X 1
-9	2	GAUGE PIN Ø.0540 X 1
-11	2	GAUGE PIN Ø.0600 X 1
-13	2	GAUGE PIN Ø.0800 X 1
-15	2	GAUGE PIN Ø.0864 X 1
-17	2	GAUGE PIN Ø.0960 X 1
-19	2	GAUGE PIN Ø.1080 X 1
-21	2	GAUGE PIN Ø.1200 X 1
-23	2	GAUGE PIN Ø.1440 X 1/4
-25	2	GAUGE PIN Ø.1440 X 1
-27	2	GAUGE PIN Ø.1440 X 1 FLATTENED
-29	2	GAUGE PIN Ø.1600 X 1/4
-31	2	GAUGE PIN Ø.1600 X 1
-33	2	GAUGE PIN Ø.1728 X 1/4
-35	2	GAUGE PIN Ø.1728 X 1
-37	2	GAUGE PIN Ø.1920 X 1
-39	2	GAUGE PIN Ø.2057 X 1
-41	1	LABEL
-43	20	VIAL WITH LID
-45	1	BOTTOM FOAM
-47	1	TOP FOAM
-49	1	CASE
RB41011	1	PLACARD



190 S. Danebo Ave., Eugene, OR. 97402  
1-800-556-4166  
e-mail: sales@dartaero.com  
dartaerospace.com

TITLE	GEAR TEETH AND SPLINE MEASURING PINS	
DWG NO.	RBT18003	REV 2
SCALE	1:3	DATE 1/18/2017

CUSTOMER 1 OF 1

SHEET 6 OF 6